

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	18	18	Cellar and substructure.
18	60	42	Surface rock.
60	134	74	Red beds and shells.
134	215	81	Red bed. Set 12 $\frac{1}{2}$ " csg. At 210' w/ 200 sacks.
215	242	27	Red bed and shells.
242	355	113	Red bed and red rock.
355	588	233	Red rock.
588	880	292	Red bed and red rock.
880	1048	168	Red rock.
1048	1143	95	Anhydrite. Top of anhydrite 1048'.
1143	1165	22	Anhydrite and streaks of salt.
1165	1180	15	Anhydrite.
1180	1202	22	Anhydrite and streaks of salt.
1202	1224	22	Anhydrite.
1224	1240	16	Salt.
1240	2279	1039	Salt and anhydrite.
2279	2288	9	Anhydrite.
2288	2470	182	Anhydrite and salt. Base of salt 2470'.
2470	2524	154	Anhydrite. Set 2555' of 8-5/8" csg. w/ 600 sacks.
2524	2956	332	Lime and anhydrite. Top of Monument Line 2770'.
2956	3018	62	Brown lime.
3018	3120	102	Lime.
3120	3250	130	Broken brown lime. Small gas show 3240'
3250	3314	64	Lime.
3314	3341	27	Brown lime.
3341	3852	509	Lime. Set 3710' of 6-5/8" csg. w/ 100 sacks.
3850	3852	2	Lime.
3852	3879	27	Sand.
3879	3888	9	Lime.

Top of pay 3744'.

Total depth 3850'. Broken lime.

Set 3836' of 2 $\frac{1}{2}$ " upset tubing. Swabbed dry. Treated with 2000 gallons of Dowell XX Acid. Acid started in under 700# on tubing and 1000# on casing. Finished under 1800# on tubing and 2000# on casing. 27 barrels of flush oil went in under 2000# on tubing and casing. Set 6 hours. Swabbed in and after cleaning up in pit, swabbed and flowed approximately 1 barrel oil per hour for approximately 8 hours. Estimated 50,000 cu ft. of gas.

Reacidized w/ 3000 gallons of Dowell XX Acid. Acid started in under 1500# on tubing and 1700# on casing. Finished under 1700# on tubing and 1900# on casing. 75 barrels oil flush went in under 2000# on tubing and casing. Set 6 hours. Swabbed in and flowed 27 barrels the first hour, 24.3 barrels the second hour, 10.8 barrels the third hour, and 8.1 barrels the fourth hour. Through 1" open choke on tubing. 5% B.S. and 1% water. Gas rate of 1,984,000. Gas oil ratio 10,333.

2/19/37.

3888' Total depth after pulling tubing and killing well.

Ran 2 $\frac{1}{2}$ " tubing to 3881'. Swabbed well in and it flowed 9 $\frac{1}{2}$ barrels oil on 11 hour test. Daily gas rate of 1,723,000.

Pulled tubing and re-run with packer. Set packer at 3815' w/ perforations below. Acidized w/ 2000 gallons Dowell XX W acid. Acid started in under Vacuum on tubing and finished under 350# on tubing. 27 barrels of flush finished under 700# on tubing. 1250# on casing built up to 1350# after flush. Set 3 hours. Swabbed in and flowed 8.1 barrels oil on 12 hour test. Daily gas rate of 5,800,000.

Killed well and pulled tubing and packer. Set packer at 3809' w/ perforations below. Swabbed dry. Acidized w/ 6000 gallons of Dowell XX W acid. Acid started in under 300# on tubing and 360# on casing. Finished under 1100# on tubing and 1400# on casing. 24 barrels of flush oil went in under 1400# on tubing and casing. Set 1 hour. Well made 2 barrels oil per hour on 8 hour test. Swabbing. Very little gas.

20 hours production 65 barrels. Pulling swab approximately 3 times each hour.

3/2/37

Acidized w/ 4000 gallons of Dowell XX acid. Went in under Vacuum. 100 barrels of flush started in under 700# on tubing and 700# on casing. Finished under 1380# on tubing and 1440# on casing. 63 barrels of flush oil pumped in casing while treating. Set 2 hours. Swabbed 105 barrels oil on 11 hour test. Hourly average of 9 $\frac{1}{2}$ barrels.

3/3/37

Killed well and pulled tubing and packer. Re-run tubing with-out the packer. Set tubing at 3837'. Swabbed in and flowed in pit to clean up.

3/6/37

Well flowed 4 barrels oil per hour on 24 hour test. 1% B.S. & Water. Daily gas rate of 1,000,000.